

ABSTRACT

Method and apparatus for applying a thermal
conductive medium (TCM) to the inside of a disposable
5 sheath. A uniform amount of TCM is applied in an
automated manner to the conductive portion of a
disposable sheath to increase conductivity. Application
is by way of a rotating tip having a plurality of nozzles
through which TCM is pumped under control of a timing
10 circuit. The duration of TCM application and the
rotation of the tip is carefully controlled to insure
uniform application of a precise amount of TCM. TCM
application is avoided at portions of the sheath where
thermal conductivity is not desired and at the tip of the
15 sheath which will be coated by TCM as a result of probe
insertion into the sheath. By automating the TCM
application process, TCM can be applied in precise
amounts and in a uniform manner without accidentally
coating areas of the sheath where TCM is not desired. In
20 addition the process can be conducted in far less time
than is required to manually apply TCM.